

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Burkard, et al.

Serial No.: 10/782,811

Group Art Unit: 2129

Filed: February 23, 2004

Examiner: Hirl, J. P.

For: METHOD AND STRUCTURE TO ISOLATE A QUBIT FROM THE ENVIRONMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

In response to the Office Action mailed on March 30, 2007, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 7 of this paper.

Attachments consist of two articles discussed during a telephone interview dated June 20, 2007, to be submitted by Applicants as demonstrating actual implementation of a flux qubit such as used in the present invention. The first article by Koch et al. was published in Phys. Rev. B 72, 092512 (2005), and the second article by Koch et al. was published in Phys. Rev. Lett. 96, 127001 (2006).